

REMARKS

The Examiner stated that the drawings are objected to under 37 CFR 1.83(a) because the two side disks mounted on the sides of the main disk as set forth in claims 6 to 9 must be shown in the drawings.

Responsive to this, applicant respectfully disagrees with the Examiner because the drawings have shown the side disks claimed in claims 6 to 9. The elements with reference number (50, 50') in Figs. 7 and 10 integrally formed on opposite sides of the disk (10) are the side disks described in claims 6 to 9. In this regard, compare the thickness of the chainwheel in Figures 1 and 4-6 with the thickness of the chainwheel in Figures 7-12. Thus, the reference number (50, 50') points to the side disks recited in claims 6-9 which are integrally formed on the disk (10).

In addition, Figs. 8, 9, 10 and 12 have been amended to delete reference number (50) in Figs. 8, 9 and 12 and to change reference number (50) in Fig. 10 to (50') to clearly point out similar features in different embodiments. Furthermore, Fig. 11 and page 6, line 22 are amended to add reference number (101) to refer to the outer edge of the disk (10). With the amendment to these figures and the specification, applicant believes that the objections to the drawings have been overcome.

The Examiner further stated that claims 1, 3, 7 and 9 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Meyer, Engstrom, Boggs, Downey or Langhof.

Responsive to this, claim 1 has been amended, and claim 3 has been incorporated therein. With the amendment to claim 1, applicant respectfully disagrees with the Examiner because none of Meyer, Engstrom, Boggs, Downey and Langhof discloses the features described in the amended claim 1.

With regard to Meyer, Engstrom and Boggs, none of them discloses that the teeth of a disk are hollow to form a passage in each tooth and a recess in the disk is implemented with a continuous annular groove defined around the outer edge, and extending through and

communicating with the passages in the teeth as described in the amended claim 1 of this invention. Therefore, the amended claim 1 is not anticipated, taught or suggested by Meyer, Engstrom or Boggs.

With regard to Downey, Downey does not disclose that teeth of a disk are hollow to form a passage in each tooth. Downey discloses two offset portions 6 attached to two sides of a sprocket gear S and each has a groove 8 to hold a cushioning ring 9. The groove 8 in the cushioning ring 9 is separated from the outer edge of the sprocket gear S and the teeth T on the sprocket gear S. Therefore, Downey does not disclose a groove or a channel defined around the outer edge of the sprocket gear S, and extending through and communicating with passages in the teeth T. Downey does not show that a continuous resilient annular strip is mounted in the annular groove and extends through the teeth as described in the amended claim 1 of this invention. Thus, the amended claim 1 of this invention is not anticipated, taught or suggest by Downey.

With regard to Langhof, Langhof discloses two shrink rings 3 mounted respectively on outside surfaces 1a on a basic element 1, and the shrink rings of Langhof are mounted at two sides of the teeth 2 on the basic element 1 but does not extend through the teeth 2.

Langhof does not disclose that teeth 2 on the basic element 1 are hollow to form a passage in each tooth 2 and a groove defined around the outer edge of the basic element and extending through the passages in the teeth. Langhof does not show a continuous resilient annular strip mounted in the annular groove and extending through the teeth as described in the amended claim 1 of this invention. Therefore, the amended claim 1 of this invention is not anticipated, taught or suggest by Langhof.

Accordingly, applicant believes that the rejections to claim 1 have been overcome and the amended claim 1 is allowable. In addition, claims 7, 9 and 11-13 dependent on the allowable amended claim 1 are also allowable.

After the amendment to the claims, the anticipation rejections under 35 102(b) are

overcome. Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Respectfully submitted,

Jonq-Shyan Wu et al.

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By: 

Alan D. Kamrath (Reg. No. 28,227)
NIKOLAI & MERSEREAU, P.A.
900 Second Avenue South
Suite 820 International Centre
Minneapolis, MN 55402
Tel: (612) 392-7306
Fax: (612) 349-6556